BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to roads and Drains at Narayanappa Layout in ward no 10 Vidyaranyapura Sub Division.

Estimate Cost: 1500000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2/ PWD SR 2013-14**	Cum							
	Drain Desilting KNV 2nd Stage 2nd Cross		2	260.00	0.45	0.35	81.90		
	KNV 2nd Stage Main Road		2	82.00	0.45	0.35	25.83		
	Kempanna layout 1st Cross		2	33.00	0.45	0.35	6.20		
	Road Surface KNV 2nd Stage 2nd Cross		1	260.00	6.00	0.20	312.00		
	KNV 2nd Stage Main Road		1	82.00	5.00	0.15	61.50		
	Kempanna layout 1st Cross		1	33.00	5.00	0.15	23.82		
							511.25	90.72	**46381.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2013-14**	Sqm							
			2	130.00		1.35	351.00		
			2	35.00		1.35	94.50		
			2	45.00		1.35	121.50		
	Basic Rate	46.40					**567.00**	50.11	**28414.00**
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 2				**567.00**	70.04	**39712.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.170 / I.20.18) PWD SR - 2013-14.**	Cum							
	UGD Cutting KNV 2nd Stage 2nd Cross		1	260.00	0.90	0.20	46.80		
	KNV 2nd Stage Main Road		1	82.00	1.00	0.20	16.40		
	Kempanna layout 1st Cross		1	33.00	1.00	0.20	6.20		
	Road Surface KNV 2nd Stage 2nd Cross		1	260.00	6.00	0.20	312.00		

Sadhu
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KNV 2nd Stage Main Road		1	82.00	5.00	0.20	82.00		
	Kempanna layout 1st Cross		1	33.00	5.00	0.20	33.00		
							496.40	1121.04	**556484.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
5	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
	KNV 2nd Stage 2nd Cross		1	260.00	6.00		1560.00		
	KNV 2nd Stage Main Road		1	82.00	5.00		410.00		
	Kempanna layout 1st Cross		1	33.00	5.00		161.00		
							2131.00	10.53	**22439.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
6	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 07				**2131.00**	44.28	**94361.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 178 / Item No. 21.20.1/ PWD SR 2013-14**	Cum							
	KNV 2nd Stage 2nd Cross		1	260.00	6.00	0.025	39.00		
	KNV 2nd Stage Main Road		1	82.00	5.00	0.025	10.25		
	Kempanna layout 1st Cross		1	33.00	5.00	0.025	4.03		
							53.28	9631.44	**513163.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							

Jeedhas
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	~~Total 963174~~								
	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**511.25**	72.71	**37171.00**
	Basic rate for haulage of materials as per item no.17.4 page 144) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
9	Sub Total								**1338077.00**
10	KRIDL Service Charges and Applicable Taxes @ 11%								**147188.00**
11	For Third Part QC Inspection Charges @ 1%								**13381.00**
12	Miscellaneous and other Charges	L/S							**1354.00**
								Total	**1500000.00**
	(Rs. Fifteen Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

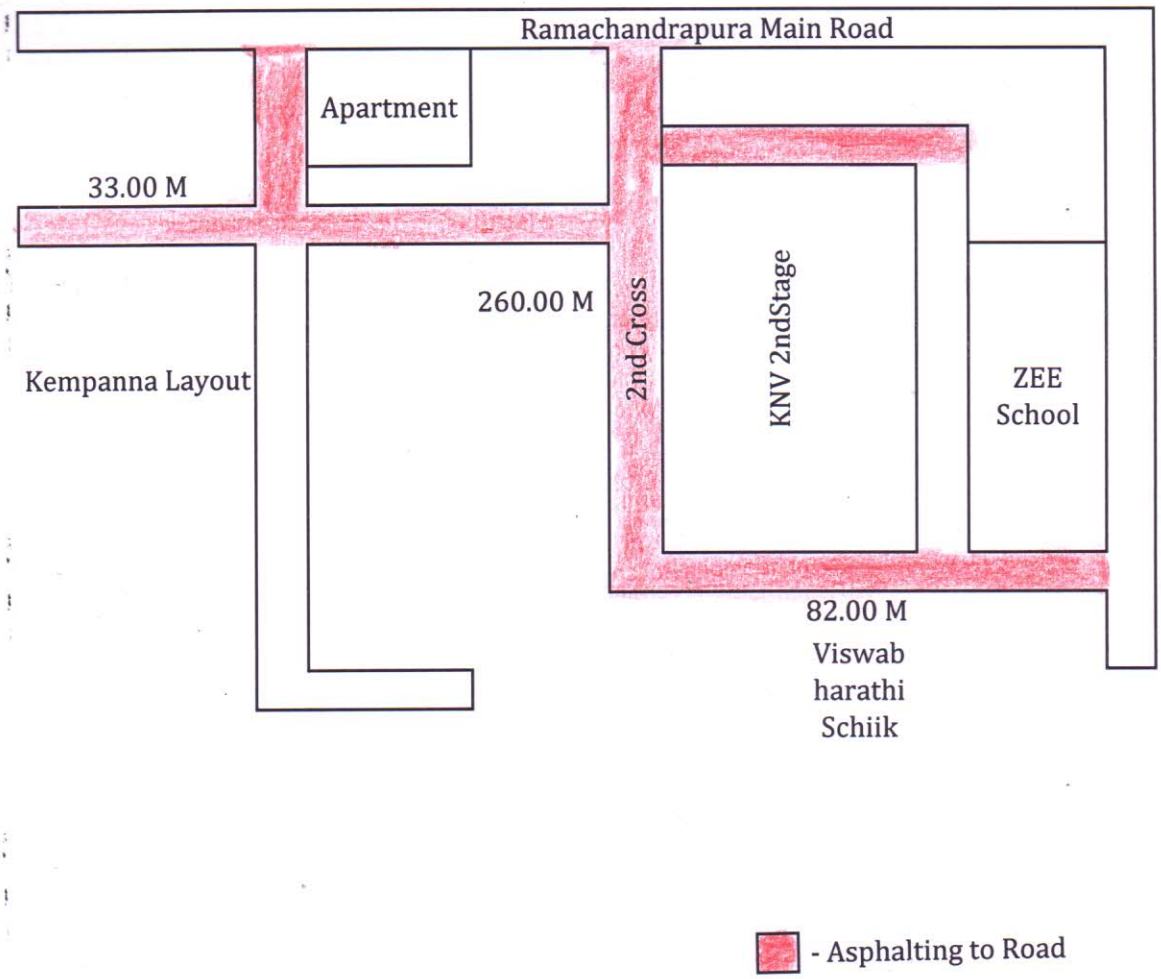
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Division

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

New Technical Sanction
15.00L
Fifteen Lakhs only

EE/BTP/188/13-14 23/12/

Sketch Showing the Work of Improvements to roads and Drains at Narayanappa Layout in ward no 10 Vidyaranyapura Sub Division.



Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97